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| FORM PTO-1390 (Modified) (REV 11-2000) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY DOCKET NUMBER 428.1007 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.5) 09/914,964 |
| INTERNATIONAL APPLICATION NO. PCT/KR00/00177 | INTERNATIONAL FILING DATE 7 March 1 | | | PRIORITY DATE CLAIMED 9 March 1999 |
| TITLE OF INVENTION A VITAL MATTER AND A PRODUCING METHOD | | | | |
| APPLICANT(S) FOR DO/EO/US SONG, Si-Hoon | | | | |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> 1. <input type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input checked="" type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below. 4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31). 5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). 11. <input type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. <input type="checkbox"/> A copy of the International Search Report (PCT/ISA/210). <p>Items 13 to 20 below concern document(s) or information included:</p> <ol style="list-style-type: none"> 13. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. <input type="checkbox"/> A FIRST preliminary amendment. 16. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 17. <input type="checkbox"/> A substitute specification. 18. <input type="checkbox"/> A change of power of attorney and/or address letter. 19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825. 20. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 21. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 22. <input type="checkbox"/> Certificate of Mailing by Express Mail 23. <input checked="" type="checkbox"/> Other items or information: Acknowledgement postcard Certificate of mailing by first class mail A copy of the Notification of Missing Requirements | | | | |

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|---|-------------------------------|--------------------------|
| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.492) | INTERNATIONAL APPLICATION NO. | ATTORNEY'S DOCKET NUMBER |
| 09/914,964 | PCT/KR00/00177 | 428.1007 |

24. The following fees are submitted:

BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :

| | |
|--|-----------|
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO | \$1040.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO | \$890.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO | \$740.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) | \$710.00 |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) | \$100.00 |

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$0.00

Surcharge of \$130.00 for furnishing the oath or declaration later than 20 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).

\$0.00

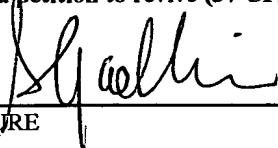
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | |
|---|--------------|--------------|-----------|---|
| Total claims | - 20 = | 0 | x \$18.00 | \$0.00 |
| Independent claims | - 3 = | 0 | x \$84.00 | \$0.00 |
| Multiple Dependent Claims (check if applicable). | | | | <input type="checkbox"/> |
| TOTAL OF ABOVE CALCULATIONS | | | | \$0.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. | | | | \$0.00 |
| SUBTOTAL | | | | \$0.00 |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | | <input type="checkbox"/> + \$0.00 |
| TOTAL NATIONAL FEE | | | | \$0.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). | | | | <input type="checkbox"/> \$0.00 |
| TOTAL FEES ENCLOSED | | | | \$0.00 |
| | | | | Amount to be: refunded \$ |
| | | | | charged \$ |

- a. A check in the amount of _____ to cover the above fees is enclosed.
- b. Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0217. A duplicate copy of this sheet is enclosed.
- d. Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

ROBERTS & MERCANTI, L.L.P.
 105 Lock Street, Suite 203
 Newark, New Jersey 07103
 Phone: 973-621-0660
 Fax: 973-621-0774


SIGNATURE

Sapna Gadhia

NAME

48,978

REGISTRATION NUMBER

November 13, 2001

DATE

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|--|---|--------------------------------------|
| U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 09/914,964 | INTERNATIONAL APPLICATION NO. PCT/KR00/00177 | ATTORNEY'S DOCKET NUMBER 428.1007 |
|--|---|--------------------------------------|

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| 24. The following fees are submitted: | | CALCULATIONS PTO USE ONLY | |
| BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): | | | |
| <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1040.00 | | | |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$890.00 | | | |
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| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$710.00 | | | |
| <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 | | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = \$0.00 | | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). \$0.00 | | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE |
| Total claims | - 20 = | 0 | x \$18.00 \$0.00 |
| Independent claims | - 3 = | 0 | x \$84.00 \$0.00 |
| Multiple Dependent Claims (check if applicable). | | <input type="checkbox"/> | \$0.00 |
| TOTAL OF ABOVE CALCULATIONS = \$0.00 | | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2. | | \$0.00 | |
| SUBTOTAL = \$0.00 | | | |
| Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 + \$0.00 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | |
| TOTAL NATIONAL FEE = \$0.00 | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). | | <input type="checkbox"/> | \$0.00 |
| TOTAL FEES ENCLOSED = \$0.00 | | | |
| | | Amount to be: refunded | \$ |
| | | charged | \$ |

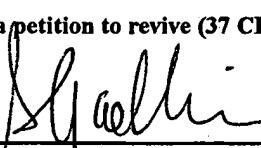
- A check in the amount of _____ to cover the above fees is enclosed.
- Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0217 A duplicate copy of this sheet is enclosed.
- Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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SEND ALL CORRESPONDENCE TO:

ROBERTS & MERCANTI, L.L.P.
105 Lock Street, Suite 203
Newark, New Jersey 07103
Phone: 973-621-0660
Fax: 973-621-0774

COPY


SIGNATURE

Sapna Gadhia

NAME

48,978

REGISTRATION NUMBER

November 13, 2001

DATE

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| <small>Customer File Number, Date PCT, United States Patent and Trademark Office, Washington, D.C. 20231, www.uspto.gov</small> | | |
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U.S. APPLICATION NUMBER NO.

09/914,964

FIRST NAMED APPLICANT

Si Hoon Song

ATTY. DOCKET NO.

428.1007

INTERNATIONAL APPLICATION NO.

PCT/KR00/00177

I.A. FILING DATE

03/07/2000

PRIORITY DATE

022856

ROBERTS & MERCANTI, LLP
 ENTERPRISE DEVELOPMENT CENTER II
 105 LOCK STREET
 NEWARK, NJ 07103

CONFIRMATION NO. 6673

371 FORMALITIES LETTER



OC00000006983796

Date Mailed: 10/29/2001

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as an Elected Office (37 CFR 1.495):

- U.S. Basic National Fees
- Indication of Small Entity Status
- Copy of IPE Report
- Copy of the International Application
- Copy of the International Search Report
- Oath or Declaration
- Preliminary Amendments
- Request for Immediate Examination
- Small Entity Statement

DOCKETED
11-29-01

Resp to Missg Regist 11-29-01

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
 - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DATE OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the

provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

LAMONT M HUNTER

Telephone: (703) 305-3686

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 09/914,964 | PCT/KR00/00177 | 428.1007 |

CERTIFICATE OF MAILING BY FIRST CLASS MAIL (37 CFR 1.8)

Applicant(s): SONG, Si-Hoon

Docket No.

428.1007

Serial No.
09/914,964Filing Date
09/06/2001Examiner
UnknownGroup Art Unit
Unknown

Invention: A VITAL MATTER AND A PRODUCING METHOD

I hereby certify that this Transmittal Letter to the U.S. Designated/Elected Office (2 pgs., pg. 2 in dup.)
(Identify type of correspondence)

is being deposited with the United States Postal Service as first class mail in an envelope addressed to: The
Assistant Commissioner for Patents, Washington, D.C. 20231 on November 13, 2001
(Date)

Sapna Gadhia*(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)*

Note: Each paper must have its own certificate of mailing.